

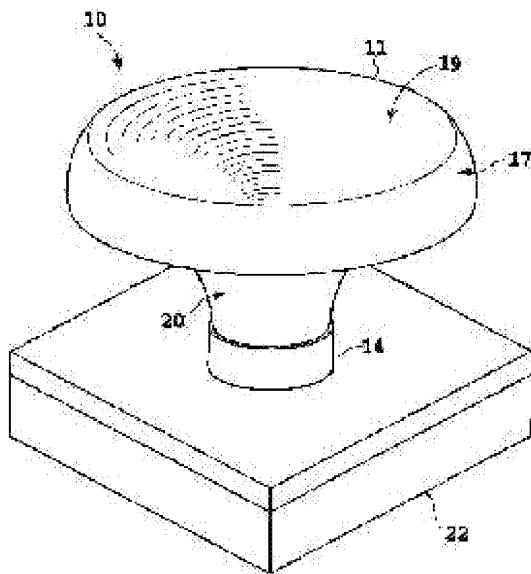
PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2003-090920**
(43)Date of publication of application : **28.03.2003**

(51)Int.Cl. **G02B 6/00**
B64F 1/18
E01F 9/04
F21S 2/00
// H01L 33/00
F21W101:06
F21Y101:02

(21)Application number : **2001-284079** (71)Applicant : **NIPPON LEIZ CO LTD**
(22)Date of filing : **18.09.2001** (72)Inventor : **KARANTARU KARIRU**

(54) LIGHT GUIDE MEMBER AND SIGN LAMP



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a light guide member in simple structure which can annularly radiate light with high luminance and high directivity and a sign mark which uses the light guide member.

SOLUTION: The light guide plate 18, equipped with an incidence end surface part 16 on which the light from a light source 13 is made incident, a projection end surface part 17 which is formed annularly having its center on an axis C of rotational symmetry and emits light, and a light guide part 18 which guides the light made incident from the incidence end surface part 16 to the projection end surface part 17 by internal total reflection, has a funnel-shaped hollow surface 19 which has its center on the axis C of rotational symmetry and a tapered outer circumferential surface 20 which has its center on the axis C of rotational symmetry

symmetry and has a larger diameter on the side of the projection end surface part 17 than on the side of the incidence end surface part 16.